

Converting Colors

YIQ(47.6580, 19.2990, 19.1950)

Have a look what the booklet for
YIQ(47.6580, 19.2990, 19.1950)
contains.

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Color

**YIQ(47.6580, 19.2990,
19.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	4E1E3B
RGB	78, 30, 59
RGB Percent	31%, 12%, 23%
CMY	0.6940, 0.8824, 0.7686
CMYK	0.00, 0.62, 0.24, 0.69
HSL	324°, 44%, 21%
HSV	324°, 62%, 31%
XYZ	4.3982, 2.8646, 4.4607
YIQ	47.6580, 19.2990, 19.1950

Conversions

Conversions Part 2

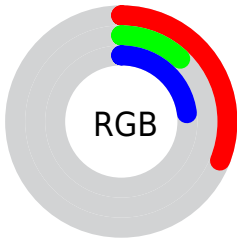
Format	Color
R_{YB}	78, 30, 59
Decimal	5119547
CIE _{Lab}	19.49, 26.52, -7.75
CIE _{LCh}	19, 27.629, 343.708
Yxy	2.8646, 0.3752, 0.2443
Android (android.graphics.Color)	4283309627 (0xFF4E1E3B)
YUV	47.6580, 5.5916, 26.6099
Hunter-Lab	16.9250, 16.7668, -3.7786

Details

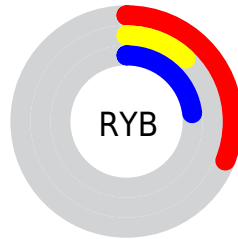
The YIQ color **47.6580, 19.2990, 19.1950** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **60.3420, -19.2990, -19.1950**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **95.8540, 21.6830, 20.0430**, and **12.4030, 15.4030, 12.7070** is the 20% darker color. If you saturate the color by 10%, you get **42.6200, 22.4620, 22.4460**, and if you desaturate by 10%, it is **52.6960, 16.1360, 15.9440**.

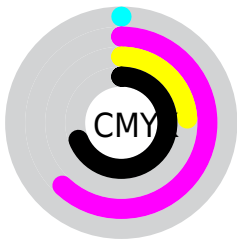
Distribution



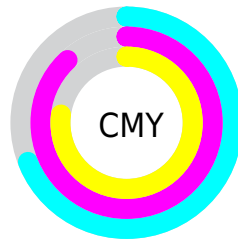
- Red (31%)
- Green (12%)
- Blue (23%)



- Red (31%)
- Yellow (12%)
- Blue (23%)



- Cyan (0%)
- Magenta (62%)
- Yellow (24%)
- Black (69%)



- Cyan (69%)
- Magenta (88%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.6580, 19.2990, 19.1950 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 47.6580, 19.2990, 19.1950 by changing the saturation by 10% instead.

47.6580, 19.2990,
19.1950

47.6580, 19.2990,
19.1950

255.0000, -0.0000,
-0.0000

24.4730, 18.3820,
19.2940

95.8540, 21.6830,
20.0430

12.4030, 15.4030,
12.7070

120.5660, 22.5540,
20.7780

0.0000, 0.0000,
0.0000

147.2780, 23.4250,
21.5130


173.8760, 24.6170,
21.9370


201.2890, 24.8920,
22.4600


225.7010, 17.7400,


19.9160


 243.8470, 5.2250,
9.9370


 47.6580, 19.2990,
19.1950


 47.6580, 19.2990,
19.1950


 42.6200, 22.4620,
22.4460


 52.6960, 16.1360,
15.9440

 37.5820, 25.6250,
25.6970


 57.7340, 12.9730,
12.6930

 33.1310, 28.5130,
28.4250

 62.1850, 10.0850,
9.9650

 28.6800, 31.4010,
31.1530

 67.2230, 6.9220,
6.7140

 72.2610, 3.7590,
3.4630

■ 77.4130, 0.2750,
0.5230

■ 82.4510, -2.8880,
-2.7280

■ 86.9020, -5.7760,
-5.4560

■ 91.9400, -8.9390,
-8.7070

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0240, 0.5930, 16.7930



47.6580, 19.2990, 19.1950



45.9980, 29.8450, 15.2930

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.6580, 19.2990, 19.1950



43.6420, 15.0870, -14.6170



41.4220, -39.4750, -5.9630

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.6580, 19.2990, 19.1950



60.3420, -19.2990, -19.1950

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.8430, -33.6510, -12.3950



47.6580, 19.2990, 19.1950



41.2960, -4.4900, -17.7540

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.6580, 19.2990, 19.1950



45.1430, 27.0980, -6.5180



36.8620, -26.6350, -18.4030



40.9150, -42.1810, -0.9730

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6580, 19.2990, 19.1950



46.2660, 31.7260, 8.7340



36.8620, -26.6350, -18.4030



40.7380, -37.5490, -7.8290

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.6580, 19.2990, 19.1950



90.6360, 7.1970, 7.2370



40.8540, -4.6800, 18.7440



44.0870, 4.3090, 4.5090



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6580, 19.2990, 19.1950



54.5550, 30.2550, 29.8950



45.0360, 26.6820, 12.0420



35.5380, 1.4210, 1.7810



37.5660, 40.8900, 40.9060



84.6160, 92.4610, 91.9890

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.6580, 19.2990, 19.1950



54.5550, 30.2550, 29.8950



62.9640, -26.6820, -12.0420



35.5380, 1.4210, 1.7810



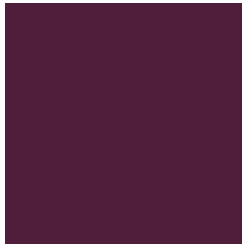
37.5660, 40.8900, 40.9060



84.6160, 92.4610, 91.9890

Previews

White Background



This preview shows how the YIQ color 47.6580, 19.2990, 19.1950 looks on a white background.

Color Contrast Check

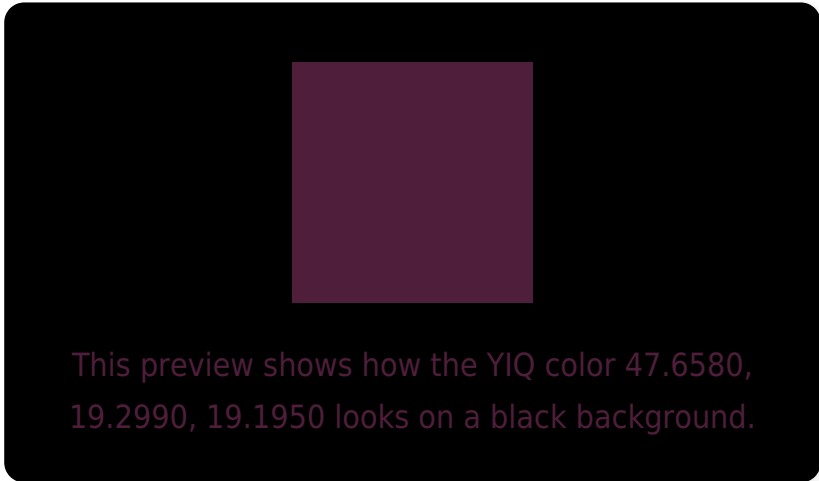
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

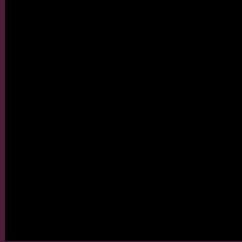
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 47.6580, 19.2990, 19.1950

Background



This preview shows how black text looks on a background with the YIQ color 47.6580, 19.2990, 19.1950.



This preview shows how white text looks on a background with the YIQ color 47.6580, 19.2990,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.6580, 19.2990, 19.1950

Protanopia

47.7570, -12.1970, 6.2910

Deuteranopia

48.6240, -1.6970, 3.2230



Tritanopia

47.6010, 23.4730, 9.6250

Trichromacy



Original Color

47.6580, 19.2990, 19.1950

Protanomaly

47.8510, -0.5980, 10.8420

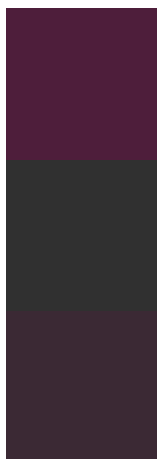
Deuteranomaly

48.5050, 6.1880, 9.0040

Tritanomaly

47.6380, 22.0510, 13.3710

Monochromacy



Original Color

47.6580, 19.2990, 19.1950

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.6360, 7.1970, 7.2370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.6580, 19.2990, 19.1950 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(78, 30, 59)` looks like.

```
.text, #text, p{  
    color:rgb(78, 30, 59)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(78, 30, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 30, 59) }
```

Border

The CSS property to change the border of an element to YIQ 47.6580, 19.2990, 19.1950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 30, 59) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(78, 30, 59) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(78, 30, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 30, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 30, 59);  
box-shadow:4px 4px 4px 4px rgb(78, 30, 59)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.6580, 19.2990, 19.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 30, 59) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(78, 30,  
59) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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